

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

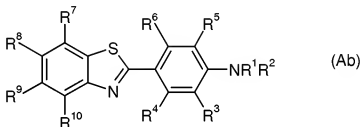
Listing of Claims:

Claims 1 –3 (Cancelled).

4. (Currently amended) A process for the production of an ^{18}F -labelled tracer according to claim 1 which comprises treatment of a solid support-bound precursor of formula (Ib)



wherein Y^- is an anion and the TRACER is of formula (Ab)



wherein:

R^1 and R^2 are independently selected from hydrogen, a protecting group, C_{1-6} alkyl, C_{1-6} hydroxyalkyl, and C_{1-6} haloalkyl;

one of R^3 to R^{10} is a bond to the SOLID SUPPORT-LINKER- I^+ group in formula (Ib) and the others are independently selected from hydrogen, halo, C_{1-6} alkyl, C_{1-6} haloalkyl, C_{1-6} hydroxyalkyl, C_{1-6} alkoxy, C_{1-6} haloalkoxy, hydroxy, cyano, and nitro;

with $^{18}\text{F}^-$ to produce the labelled tracer of formula (IIb)

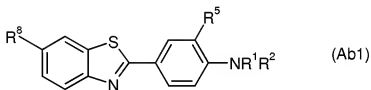


wherein the TRACER is as defined for the compound of formula (Ib) except that one of R^3 to R^{10} is a bond to the ^{18}F instead of a bond to the SOLID SUPPORT-LINKER- I^+ group in formula (Ib);

optionally followed by:

- (i) removal of excess $^{18}\text{F}^-$, for example by ion-exchange chromatography; and/or
- (ii) removal of any protecting groups; and/or
- (iii) removal of organic solvent; and/or
- (iv) formulation of the ~~resultant compound~~ labelled tracer of formula (IIb) as an aqueous solution.

5. (Original) A process according to claim 4 wherein the TRACER is a compound of formula (Ab1)



wherein:

R^1 and R^2 are independently selected from hydrogen, a protecting group, C_{1-6} alkyl, C_{1-6} hydroxyalkyl, and C_{1-6} haloalkyl;

R^5 is hydrogen, C_{1-6} alkyl, or a bond to the SOLID SUPPORT-LINKER- I^+ group in formula (Ib);

R^8 is hydroxy, C_{1-6} alkoxy, C_{1-6} haloalkyl, C_{1-6} alkyl, or a bond to the SOLID SUPPORT-LINKER- I^+ group in formula (Ib);

provided that only one of R^5 and R^8 is a bond to the SOLID SUPPORT-LINKER- I^+ group in formula (Ib).

Claims 6-14 (cancelled).